



INTERNATIONAL CONFERENCE ON “BIOTECHNOLOGY – THE WAY FORWARD” (ICBWF-2024)

NOVEMBER 20 - 22, 2024

VENUE: C V RAMAN HALL, CLIF, UNIVERSITY OF KERALA

ORGANIZED BY
DEPARTMENT OF BIOTECHNOLOGY
UNIVERSITY OF KERALA
RE-ACCREDITED BY NAAC WITH A++ GRADE

ABOUT THE DEPARTMENT

The Department of Biotechnology, established in 1995 under the University of Kerala, offers postgraduate and doctoral degrees in biotechnology. The department provides state-of-the-art laboratory facilities for research in cutting-edge areas of biotechnology. Our mission is to produce trained professionals equipped for academic research and industry applications. The postgraduate and doctoral programs' curricula are meticulously designed to cater to the diverse needs of the biotechnology industry. The department engages in both basic and applied research. The Department has a strong research tradition, with more than 55 students, including international students, having completed their Ph.D. studies. The department's primary research focus areas include Molecular Biology, Enzymology, Plant and Animal Biotechnology, Microbiology, Nanobiotechnology, & Food Technology. Currently, a diverse group of students, including international students, are pursuing their postgraduate Programme in Biotechnology. Furthermore, we offer Biotechnology as a minor course option for undergraduate students in the Four Year Undergraduate Program (FYUGP). Notably, we have established the Inter-University Centre for Genomics and Gene Technology (IUCGGT), an initiative of the Department of Higher Education, Government of Kerala. This centre serves as a platform for academic interaction among students and researchers. In 2017, the department initiated a startup, BIOVENT, aimed at fostering academic entrepreneurship in biotechnology and microbiology.



ABOUT THE UNIVERSITY

The University of Kerala, formerly known as the University of Travancore, is a state-run public university situated in Thiruvananthapuram. Established in 1937 by Maharajah Sree Chithira Thirunal Balarama Varma, who also served as the university's first Chancellor, it holds a rich history. Sir C.P. Ramaswamy Iyer, then Diwan (Prime Minister) of the state, was the inaugural Vice-Chancellor. As the first university in Kerala and among the pioneering institutions in the country, the University of Kerala has made significant strides. Currently, the Governor of Kerala serves as the Chancellor. The university comprises over 150 affiliated colleges and 45 teaching and research departments. Notably, the National Assessment and Accreditation Council (NAAC) has accredited the University with the highest grade of A++ and an impressive score of 3.67 out of 4. Furthermore, the University boasts exceptional infrastructure for research in sciences and humanities.

ABOUT THE CONFERENCE

Rapid strides in Biotechnology have opened up incredible possibilities in diverse domains such as medicine, engineering, agriculture, environment, microbiology etc. conferring immense benefits upon mankind. Today, as never before in history, there is unprecedented interest in research that exploits living organisms and bioprocesses for human welfare. Recent innovations in tissue engineering and regenerative medicine, including 3D bioprinting and organ transplantation, hold out immense promise as we deal with challenges that were considered intractable not long ago. However, while appreciating the stupendous advances, it is prudent to recognise that we should ceaselessly update our knowledge and equip ourselves with the requisite skills to tap the enormous potential of Biotechnology for the welfare of society. In recognition of this basic premise, the Department of Biotechnology, University of Kerala, organise an International Conference titled: “Biotechnology – The Way Forward” in November 2024 in Thiruvananthapuram, the capital of Kerala, a state popularly known as “God’s Own Country”. The event, involving a galaxy of eminent scientists from India and abroad, would highlight the recent developments in Biotechnology and how it can, like Aladdin’s lamp, light the way to a better life. The experts would be drawn from public and private institutions, from industry and universities.

CONFERENCE THEMES

- Plant Biotechnology, Agriculture and Food Security
- Omics Technology and Bioinformatics
- Biopharmaceuticals and Drug Development
- Environmental Biotechnology and Sustainability
- Nanobiotechnology
- Translational medicine

- Papers will be selected for oral and poster presentations
- **Selected papers will be published in Conference Proceeding with ISBN No.**

REGISTRATION FEE

Registration fee is mandatory for all participants. Registration can be made online by entering the required payment and personal details. Registration fee shall be paid online, and details should be attached to the Google Form

- For students - Rs. 500/- (*Rupees Five Hundred only*)
- For research scholars - Rs. 1000/- (*Rupees Thousand only*)
- For Faculties - Rs. 1500/- (*Rupees Thousand Five Hundred Only*)
- For industry personnel - Rs. 2000/- (*Rupees Two Thousand only*)

LINK FOR REGISTRATION

Abstract needs to be uploaded on the registration page using the given registration link Either CLICK the link below to register (if hyperlink is not active, copy the URL in the address bar of the browser) OR SCAN the QR code shown below

Link for registration: <https://forms.gle/FDGNL2Fm3aLyLoXi8>

- Last date for registration: 16th November, 2024
- Last date for submission of abstract: 7th November, 2024
- Abstracts submitted after the last date will not be considered
- Notification of acceptance of abstract (through e-mail): 11th November, 2024
- Last date for submission of selected full paper and poster: 14th November, 2024
- Zoom link for attending the conference will be provided to all participants on 19th November, 2024
- Abstract needs to be uploaded on the registration page
- Full paper of the accepted abstract should be submitted before the last date mentioned above. Submission after the last date will not be accepted. The abstract and the selected full paper should be sent to the email ID, infobiotechku@gmail.com



GUIDELINES FOR SUBMISSION OF ABSTRACT

The abstract (font - Times New Roman) should comprise the following:

- Title of the presentation (bold font, size 14)
- Designation and affiliation of all the authors (font size -12)
- Full name of all authors with their affiliation (name of the presenting author should be underlined), and email address of presenting and corresponding authors
- **Matter:** A brief description of not more than 250 words typed in Times New Roman (font size 12), with 1.5 line spacing and 1" margin on all sides. A maximum of five keywords should be included at the end of the abstract (bold font, size 12)
- The abstract will be reviewed by the Scrutiny Committee and the authors of the approved abstracts shall be intimated. The decision of the committee shall be final and binding

GUIDELINES FOR SUBMISSION OF FULL PAPER

- All research papers shall be original, unpublished and plagiarism-free
- Selected papers will be published on the first day of the conference in the form of a book with ISBN number
- The paper shall be thematic. It should have relevant research questions and should reflect the findings
- The research papers shall not exceed 5000 words
- The papers are required to be typed in Times New Roman, with size 12, on A4 size with 1" margin on all sides and 1.5 line spacing using MS Word. Other relevant details will be intimated once selected for full paper submission

ORAL PRESENTATIONS

Presentation - 7 min; Discussion - 3 min

POSTER PRESENTATION

- Title of the paper, name(s) of the author(s) and affiliation(s) on top
- Poster (36" X 48") must be submitted in PDF format
- **Text:** Ensure readability of the contents of the poster
- Language - ENGLISH only
- **Illustrations:** The poster should contain static photographs only with no video or animation
- The posters will be evaluated by a panel of experts

E-CERTIFICATE

- E-certificates will be awarded to all registered participants on successfully attending the conference. E-certificates will also be awarded to the presenting author

For further details, please contact

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INVITED SPEAKERS

- **Dr Jinu Jacob**, ICAR, Indian Institute of Millets Research, Hyderabad
- **Dr Sajitha Biju**, School of Agriculture, Food and Ecosystem Sciences (SAFES), University of Melbourne
- **Dr Rajesh Raju**, Centre for Integrative Omics Data Sciences (CIODS), Yenepoya Deemed to be University, Karnataka
- **Dr Sona Charles**, ICAR, Indian Institute of Millets Research, Hyderabad
- **Dr Shvetank Sharma**, Institute of Liver and Biliary Diseases, Delhi
- **Dr Lakshmi Mundkur**, Sami-Sabinsa Group Limited, Bangalore
- **Dr Sangeetha Mohan**, AntlerA Therapeutics, MedGenome, San Francisco, US
- **Dr Hector A Ruiz**, Autonomous University of Coahuila Saltillo, Mexico
- **Dr Marija Velickovic**, Pacific Northwest National Laboratory, US
- **Dr Saji George**, Department of Food Science and Agricultural Chemistry, McGill University, Quebec, Canada
- **Dr Shashank Chetty**, Stanford University, School of Medicine, California
- **Dr Allen Sam Titus**, Rutgers University, New Jersey, USA
- **Dr Shinichi Oka**, Department of Cell Biology, Rutgers University, New Jersey, USA

CHIEF PATRON

- **Prof (Dr) Mohanan Kunnammal**
Hon'ble Vice Chancellor, University of Kerala

ADVISORY COMMITTEE

- **Dr Gopchandran K G**, Member Syndicate, University of Kerala
- **Dr P M Radhamany**, Member Syndicate, University of Kerala
- **Dr S Nazeeb**, Member Syndicate, University of Kerala
- **Adv. Muralidharan Pillai G**, Member Syndicate, University of Kerala
- **Dr Shijukhan J S**, Member Syndicate, University of Kerala
- **Prof (Dr) Sabu Joseph**, Dean, Faculty of Applied Sciences and Technology
- **Dr A Jayakumaran Nair**, Emeritus Professor, Department of Biotechnology, University of Kerala
- **Dr K Shivakumar**, ICMR Emeritus Scientist, Department of Biotechnology, University of Kerala
- **Dr Pradeepkumar**, ICMR Emeritus Scientist, Department of Biotechnology, University of Kerala

ORGANISING COMMITTEE

Chairperson & Organizing Secretary

Dr T S Swapna

Professor and Head
Department of Biotechnology
University of Kerala

Convenor

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Assistant Professor (Contract)
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